

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000930

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E21B4/18 E21B7/06 E21B17/03 E21B41/00 E21B27/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E21B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 394 951 A (PRINGLE RONALD E ET AL) 7 March 1995 (1995-03-07) abstract; figures column 3, line 15 - line 35 -----	1, 30
X	US 4 616 719 A (DISMUKES NEWTON B) 14 October 1986 (1986-10-14) abstract; figures column 3, line 56 - column 4, line 6 column 4, line 33 - line 45 -----	1
X	US 3 888 319 A (BOURNE JR HENRY A ET AL) 10 June 1975 (1975-06-10) abstract; figures column 2, line 46 - column 3, line 5 ----- -/--	1
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>° Special categories of cited documents :</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-size: 1.2em;">31 March 2005</div>		Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em;">06/04/2005</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-size: 1.2em;">Weiland, T</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 4 281 723 A (EDMOND TIBOR O ET AL) 4 August 1981 (1981-08-04) abstract; figures column 3, line 24 - column 4, line 23 -----	1
A	US 3 586 116 A (ROUVIERE ROGER FRANCOIS ET AL) 22 June 1971 (1971-06-22) abstract; figures column 2, line 37 - line 47 -----	1,30
A	US 6 305 469 B1 (MAEKIAHO LEO BERNHARD ET AL) 23 October 2001 (2001-10-23) column 2, line 53 - column 3, line 45 column 4, line 38 - column 5, line 17 -----	1,30
A	WO 99/29997 A (CHERRY DONALD E) 17 June 1999 (1999-06-17) cited in the application abstract; figures -----	1,30

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Information on patent family members

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